

# KUGAVARATHAN

## Software Engineering Intern

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Linkedin | GitHub | HackerRank | Medium | Portfolio

## PROFILE

Highly motivated third-year undergraduate passionate about Software Development. Skilled in full-stack web development, object-oriented programming, and software design principles. Demonstrates a strong ability to build efficient, maintainable, and scalable systems through hands-on academic and personal projects. Seeking an opportunity to apply technical skills in a Software Engineer or Full-Stack Developer role.

## EDUCATION

B.Sc. (Hons) in Computing and Information Systems

Sabaragamuwa University of Sri Lanka | July 2023 – Present.

Physical Science Stream (G.C.E. Advanced Level)

J/Hartley College | Completed 2021.

## TECHNICAL SKILLS

Programming Languages - Java, JavaScript, PHP, C, HTML, CSS

Frontend Development - React.js, Next.js, Redux Toolkit, Bootstrap, Tailwind CSS, SASS

Backend Frameworks - Node.js, Express.js, Spring Boot

Databases - MySQL, MongoDB

Testing Tools - Jest, JUnit

Cloud & DevOps - Docker, Git, GitHub

Software Design & Methodologies - OOP, MVC, Data Structures & Algorithms, System Design, Agile (Scrum)

Development Tools - VS Code, IntelliJ IDEA, Eclipse, Figma

## PROJECTS

### 1) E-Commerce Web Application (Individual Project)

- Full-stack MERN e-commerce app with user login, product management, shopping cart, and admin dashboard for managing products and users.
- Implemented MVC architecture, JWT authentication, and Stripe payment integration for secure transactions.

**Tech:** MongoDB, Express.js, React.js, Node.js, Tailwind CSS

### 2) Full Stack AI Chatbot (Individual Project)

- MERN-based AI chatbot app allowing users to sign up, generate text using Google Gemini and images via ImageKit.
- Added online payment gateway for purchasing credits and managed authentication with Node.js & MongoDB.
- Deployed the complete AI SaaS application with secure APIs and responsive UI.

**Tech:** MongoDB, Express.js, React.js, Node.js, ImageKit, OpenAI API

### 3) Full Stack E-Commerce Website (Individual Project)

- Built a modern e-commerce platform using Next.js, MongoDB, and Tailwind CSS with server-side rendering for fast performance.
- Integrated Clerk for secure user authentication and Inngest for background task automation.

**Tech:** Next.js, React.js, MongoDB, Tailwind CSS, Clerk, Inngest

#### 4) Full Stack Food Delivery App (Individual Project)

- Developed a React , Spring Boot food delivery platform with MongoDB for order and user data management.
- Integrated Razorpay for secure online payments and deployed using AWS cloud services.
- Focused on responsive UI, efficient APIs, and seamless restaurant–customer interaction.

**Tech:** React.js, Spring Boot, MongoDB, AWS, Razorpay

## CERTIFICATION COURSES

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- Introduction to MERN
- Postman API Fundamentals Student Expert
- React
- JavaScript Essential
- SQL (Intermediate)
- Fundamentals of Java Programming
- Building Applications with Spring Boot and MVC Architecture
- Getting Started with Git and GitHub
- Java Data Structures & Algorithms + Leetcode exercise
- Introduction to AI

## SOFT SKILLS

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|-------------------|-----------------|
| • Leadership      | • Team work     |
| • Communication   | • Self-learning |
| • Time management | • Creativity    |

## VOLUNTEERING & LEADERSHIP

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- Finance Team Member, PearlHack 3.0 – IEEE WIE Affinity Group, Sabaragamuwa University
- Assistant Manager, IT & Satellite Division – SEDS Sabaragamuwa
- Web Team Member, IEEE WIE – Sabaragamuwa University of Sri Lanka
- Volunteer IEEE student branch of Sabaragamuwa University of Sri Lanka
- Cricket Team Captain (U-19) – J/Hartley College

## ACHIEVEMENTS

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- Semi-Finalist, HackX 8.0 (2023) – University of Kelaniya
- Participant, J’pura Xtreme Hackathon 2024 – University of Sri Jayewardenepura

## REFERENCES

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Dr. U.A.P. Ishanka  
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Department of Data Science,  
Faculty of Computing,  
Sabaragamuwa University of Sri Lanka.  
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